



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF AIR AND RADIATION

**SOLICITATION**  
**for**  
**PRE-PROPOSAL APPLICATION**

**Market Transformation Projects that Reduce Emissions of Methane Through the Development of Landfill Gas Utilization Projects**

U.S. Environmental Protection Agency  
Office of Air & Radiation/OAP  
Climate Protection Partnerships Division  
Landfill Methane Outreach Program (LMOP)

**SUBJECT**

The Landfill Methane Outreach Program (LMOP) within the Office of Air (OAR) at the U.S. Environmental Protection Agency (EPA) is requesting pre-proposals that build upon LMOP's efforts to reduce emissions of greenhouse gases through the development of landfill gas use projects. These pre-proposals should demonstrate how the project(s) would transform the market, for example by proposing a unique technology, community outreach effort, project structure, or partnership element that could serve as a model to future landfill gas project development efforts.

**TO**

Proposals will be accepted from community and non-profit organizations, universities, and municipally owned landfills not subject to New Source Performance Standards and Emissions Guidelines under the Clean Air Act.

**FUNDING**

LMOP anticipates making one or more awards, ranging in value from approximately \$15,000 to \$75,000.

**SUBMISSION DEADLINE**

Pre-proposals are due to the EPA's LMOP by **April 19, 2002**. Please send a signed original and two copies. Pre-proposals postmarked after April 19, 2002 will not be considered for funding. EPA's LMOP will notify top rated pre-proposal applicant(s) by **May 10, 2002**. The final assistance agreement application will be due by **May 31, 2002** (only applicable to those selected for funding). Funds for the winning proposals will be awarded by September 30, 2002.

**PROJECT PERIOD**

The final assistance agreement will last for 12 months, and must be completed within 12 months of the award.

**BACKGROUND**

Landfills are the largest source of U.S. anthropogenic methane emissions, a potent green house gas, accounting for 37 percent of emissions in the United States. In 1990, landfills generated 56.2 MMTCE (9.8Tg) of methane which increased to 66.7 MMTCE (11.6 Tg) by 1997 (EPA, 1999). Baseline emissions are expected to decrease to 52.0 MMTCE (9.1Tg) in 2010, due to the Clean Air Act New Source Performance Standards and Emissions Guidelines (Landfill Rule). The Landfill Rule applies only to larger landfills. Hundreds of smaller landfills, however, are not subject to the Landfill Rule, and have less incentive to develop gas utilization projects. Collectively, these non-rule landfills emit a considerable amount of methane. For this reason, LMOP focuses program efforts on helping non-rule landfills develop landfill gas utilization projects.

The LMOP would like to further assist non-rule landfills by seeking proposals that advance national, regional, and local landfill gas use project development efforts. Proposals should reflect how the landfill gas project will advance a certain technology, gas system design, or other aspect of the landfill gas project that can be replicated by other landfills. In addition to enhancing market transformation, the selected proposals will deliver reductions of greenhouse gas emissions that can be quantified and verified upon completion of the project. The LMOP recognizes, however, that the project may not be finished upon completion of this one year grant. The intent of this grant is to advance the development efforts of projects that may have otherwise not happened.

In addition to delivering greenhouse gas reductions and market transformation, successful proposed activities shall educate communities and other stakeholders that:

- Landfill gas utilization projects improve quality of life for the community and the landfill's neighbors by reducing odors and explosion hazards, and improving landfill management.
- Clean technologies to utilize landfill gas are proven and available.
- Utilizing landfill gas for energy can be profitable and protect the environment at the same time.

### PROPOSED CRITERIA

Successful proposals are to meet the following criteria:

- **Demonstrated Reductions from Non-NSPS Landfill Sites.** Proposals shall demonstrate that greenhouse gas reductions occur, or will occur, in a voluntary manner from Non-NSPS landfills.
- **Proposal is cost-effective.** These landfill projects, through the development and sale or use of the gas, may prove to be profitable in the future, and this aspect should be demonstrated in the proposal.
- **Advance market transformation.** LMOP will review proposals for their potential to transform the market (ability of future projects to develop using the same model or technology), including the adoption of innovative technologies, project structures, outreach ideas, and other replicable ideas during the period of the grant, and the lasting impact of these project innovations beyond the term of the grant.
- **Synergy with LMOP efforts.** LMOP works to help landfills owners and operators, communities, states, power marketers and utilities, and the landfill gas industry to overcome barriers to project development. Proposals should be compatible with these goals.
- **Provide measurable results.** Successful proposals shall measure, verify, and report resulting greenhouse gas emission reductions.
- **Avoid duplication of efforts.** Pre-proposals should not duplicate efforts underway by EPA or other organizations.
- **Importance of Grant to Project Development.** Proposals should detail the importance of the grant to the project. For example, proposals should detail how the grant will assist efforts to move forward with project development.
- **Assign dedicated personnel.** Proposals will identify a contact responsible for the implementation of the grant who will serve as liaison with LMOP staff.

### PROPOSAL SPECIFICS

The Pre-proposal submission should include: 1) A 3-page project description and the types of activity anticipated, 2) A budget narrative, and 3) Biographical sketches of key personnel who will be involved in the project. Once EPA has completed their review, the highest rated proposal(s) will be selected and a request to submit a complete assistance agreement package will be sent to the applicant.

### Questions and Pre-proposals should be addressed to:

Brian Guzzone  
Program Manager and Team Leader  
U.S. Environmental Protection Agency (6202J)  
Landfill Methane Outreach Program  
1200 Pennsylvania Avenue, NW  
Washington, D.C. 20460  
Telephone: (202) 564-2666  
Email: guzzone.brian@epa.gov